REPORT

FOR THE YEAR 1904,

PRESENTED TO THE

NEWARK

RURAL DISTRICT COUNCIL

BY

FRANK BROADBENT,

M.R.C.S., Eng.; L.R.C.P., Edinburgh,

MEDICAL OFFICER OF HEALTH.

NEWARK:

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TO THE

Rural District Council of Newark.

JANUARY 29th, 1905.

GENTLEMEN,

I beg to submit to you my Tenth Annual Report for the Rural District Council of Newark. The population is estimated at 7919, the acreage 36619, and during the year there have been 93 deaths and 217 births. The birth rate was 27·4 per 1000 against 20·5 for last year. The death rate was 11·7 per 1000 against 13·3 for last year. The death rate for children under one year was 268·8 per 1000 of the total deaths against 242·9 for last year. I must again point out that the death rate is much too high. Of the deaths 7 are accounted for as the result of premature birth, and I am sure there must also be a great deal of improper feeding and want of care in Rural Districts to account for this high percentage. The parents do not understand the importance of purchasing milk for their children, and there is also a great difficulty in obtaining it in Rural Districts.

The deaths of children under one year compared to births was 115·1 against 118·1 for last year. The deaths of children between one and five years was 64·5 against 97. The deaths of persons of 65 and upwards amounted to 333·3 per 1000 of the total deaths against

388 for last year, and among these I notice 4 over 90 years of age, 18 over 80, and 6 over 70 years of age. The principal Zymotic Diseases which have to be notified caused no deaths this year, which is a subject for congratulation.

NOTIFICATION OF INFECTIOUS DISEASE.

Erysipelas.—Erysipelas was notified six times during the year. There were no deaths. They were all cases of no importance and no action had to be taken. It is a great question whether this disease, except as occuring in hospital, should not be struck out of the list of notifiable diseases.

Scarlatina.—Scarlatina was notified 8 times. One case was notified from Balderton in July, strict precautions were taken and there was no spread of the disease.

Four cases were notified from North and South Clifton at the end of November and in the beginning of December. As one of these occurred in the Schoolmaster's house, the School had to be closed.

Three cases were notified from Wigsley in December. The infection could not be traced. As Wigsley is only a small hamlet the children were excluded from School, and there were no further cases.

NON-NOTIFIABLE EPIDEMIC DISEASES.

Measles.—This disease was prevalent throughout the District. Barnby and Balderton Schools had to be closed on account of it, and there were three deaths. If the

Council can afford the expense, I should recommend them to make Measles a Notifiable Disease. At the present time Measles cause more deaths all over England among children, than any other Infectious Disease. The Notification of the Disease would prevent it spreading in the Schools, and parents would be afraid to treat the complaint so lightly, and would not expose the children to cold so recklessly after an attack.

Whooping Cough.—This disease was very prevalent, and there were three deaths. Besthorpe School had to be closed on that account in June.

Phthisis.—This complaint caused seven deaths. For many years I have tried to get the relatives with a case of Consumption to use disinfectants freely, and after a death to disinfect the house. I hope the new Sanatorium may be a help in stamping out this disease, but my District being Rural, the patients generally have had a good experience of fresh air treatment. It would be a good thing if the New Infirmary would make arrangements for taking in advanced cases, as I feel certain that when the patients are confined to bed in small cottages, there is great danger of other members of the family becoming infected.

ISOLATION HOSPITAL AND DISINFECTION.

Newark is proceeding with their Small Pox and General Isolation Hospital as speedily as possible, and your Authority having agreed to join with them, I hope before the year is out we shall be in a position to cope properly with dangerous epidemic disease. With regard

to disinfection and isolation at home, every case has clear printed instructions sent immediately, and your Authority provide disinfectants to all cases where they have not an ample supply of their own. When the case is over, your Inspector stoves every house with sulphur. No doubt when the Isolation Hospital is built, arrangements will be made for articles that cannot be washed to be disinfected at the Hospital.

MILK SUPPLY.

Your Inspector and myself have visited all the registered Milk-sellers in the District yearly, and on the whole are satisfied with them. The regulations are fairly carried out, and the sheds, with one or two exceptions, are satisfactory. There is no veterinary inspection of the cows.

WATER SUPPLY.

The Water Supply of my District has very much improved during recent years. The populous villages, with the exception of Collingham, are close to Newark, and these are being supplied with water from the Newark Corporation. Collingham also has now got a supply from the same source, and I am pleased to say that the inhabitants, knowing on the authority of many Analysts of the highest reputation that all the present wells are hopelessly polluted with sewage, are connecting their houses to the New Supply at a most satisfactory rate. When one thinks that probably for over a thousand years the shallow wells of these large villages have been liable to pollution, one cannot be surprised that cancer and consumption seem to be on the increase, and that the infant

mortality is so high. The epidemic of Typhoid now prevalent in Lincoln, is a severe object lesson to all Sanitary Authorities who have ignored the advice of their Medical Officers and have failed to provide their District with a wholesome supply of water.

DRAINAGE AND SANITARY WORK.

No Drainage Work of importance has been carried out this year, but considerable progress has been made with the laying of new private drains at Balderton. Your Inspector informs me that with very few exceptions all the houses within the village are connected up to the new sewer.

SLAUGHTER HOUSES AND BUTCHERS' SHOPS.

The Slaughter Houses and Butchers' Shops have been inspected from time to time and are in fair order. In many cases the Slaughter House and Butcher's Shop are combined. This is undesirable and should be altered where possible.

FACTORIES, WORKSHOPS, AND BAKEHOUSES.

This year a new form has been sent by the Secretary of State to be filled up. In this District we have only one large Workshop and that is a basket making establishment at Farndon Field. It is held in a large disused corn mill, and there is plenty of air space and ventilation for all the workers. The Sanitary arrangements are excellent. The Bakehouses are well kept and in good order. Your Inspector and myself advised structural alterations in one of them.

CANAL BOATS.

Twelve Boats have been visited this year by your Inspector. Their condition was satisfactory.

Your Inspector has collected, and I have qualitatively analyzed 13 samples of Water, of which eleven have been condemned.

Appended are the tables provided by the Local Government Board, the Secretary of State, the report of the Inspector of Nuisances, and the Rainfall kindly supplied by the Rev. E. C. Shawfield, of South Scarle Vicarage.

Your obedient Servant,

FRANK BROADBENT.

Newark Rural District Council.

REPORT OF THE INSPECTOR OF NUISANCES,

For the Year ending December 31st, 1904.

Nuisances reported	30
„ abated	27
„ unabated at end of year	3
Official Notices issued	21
New drains provided	30
New privies provided	1
New water-closets provided	6
Samples of water collected for analysis	13
Newark water supply adopted (number of houses)	26
Wells cleaned out	2
New wells sunk	1

I have inspected all Bakehouses, Slaughterhouses, Registered Cowsheds and Workshops in the District. Their general condition is satisfactory.

R. OAKDEN, Junr.,

Inspector of Nuisances.

TABLE I.

NEWARK RURAL DISTRICT COUNCIL.

Vital Statistics of whole District during 1904 and previous Years.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		Deaths at all Ages. Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	Deaths at all ages nett.	
		Number.	Rate.	Number.	Rate per 1,000 Births Registered.	Number.	Rate.				No.	Rate.
1894	7375	189	25·6	18	144	103	13·9	0	0	0	103	13·9
1895	7428	156	21·0	21	134·6	101	13·6	0	0	0	101	13·6
1896	7481	187	25·0	23	122·9	101	13·5	0	0	0	101	13·5
1897	7534	206	27·3	20	97	108	14·3	0	0	0	108	14·3
1898	7588	197	25·8	24	121·8	101	13·3	0	0	0	101	13·3
1899	7642	181	23·7	16	88·3	100	13·1	0	0	0	100	13·1
1900	7696	196	25·4	18	91·8	118	15·3	0	0	0	118	15·3
1901	7751	225	29·0	17	75.5	99	12·7	0	0	0	99	12·7
1902	7807	220	28·2	26	118·1	107	13·7	0	0	0	107	13·7
1903	7863	159	20·2	22	138·3	103	13·1	0	0	0	103	13·1
Averages for years 1894-1903.	7616	191·6	25·0	20·5	113·2	104·1	13·6	0	0	0	104·1	13·6
1904	7919	217	27·4	25	115·1	93	11·7	0	0	0	93	11·7

TABLE III.
NEWARK RURAL DISTRICT COUNCIL.
Cases of Infectious Disease notified during the Year 1904.

NOTIFIABLE DISEASE.	Cases Notified in Whole District.							Total Cases Notified in Each Locality	No. of Cases removed to Hospital from Each Locality
	At all Ages.	At Ages—Years.						1	1
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.		
Small Pox	...	...	...	...	...	...	...		
Cholera	...	...	...	...	...	...	...		
Diphtheria	...	...	...	...	...	...	...		
Membranous Croup ...	...	...	...	...	...	...	...		
Erysipelas	4	...	...	...	...	3	1		
Scarlet Fever	8	...	3	5	...	...	...	NIL.	NIL.
Typhus Fever	...	...	...	...	...	...	...		
Enteric Fever	...	...	...	...	...	...	...		
Relapsing Fever... ...	...	...	...	...	...	...	...		
Continued Fever ...	...	...	...	...	...	...	...		
Puerperal Fever... ...	...	...	...	...	..	...	...		
Plague	...	...	...	...	...	...	...		
Totals	12	...	3	5	...	3	1		

Isolation Hospital—None.

TABLE IV.

NEWARK RURAL DISTRICT COUNCIL.

Causes of, and Ages at, Death during Year 1904.

Causes of Death.	Small Pox.	Measles.	Whooping Cough.	Diarrhœa.	Phthisis.	Cancer, malignant Disease.	Pneumonia.	Cirrhosis of Liver.	Premature Birth.	Heart Diseases.	Accidents.	Suicides.	All other Causes.	All Causes.
	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.													
All ages.....	0	3	3	1	7	6	7	1	7	12	2	1	43	93
Under 1 year	...	1	2	1	...	...	4	...	7	...	2	...	8	25
1 and under 5	...	2	1	...	...	...	3	...	...	...	...	...	...	6
5 and under 15.....	...	...	...	...	...	...	...	...	...	1	...	...	...	1
15 and under 25	...	...	...	...	2	...	...	...	...	2	...	...	3	7
25 and under 65	...	...	...	...	5	6	...	...	...	2	...	...	10	23
65 and upwards	...	...	...	...	...	...	...	1	...	7	...	1	22	31

Newark Rural District Council.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

PARTICULARS.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories ... ... (Including Factory Laundries)	1		
Workshops ... ... (Including Workshop Laundries)	16		
Workplaces			
Homeworkers' Premises			
Total	17		

OTHER MATTERS.

Underground Bakehouses (S. 101) :—

In use during 1903	0
In use at the end of 1904	0

Homework :—

Lists received		0
Addresses of outworkers	forwarded to other Authorities	0
	received from other Authorities	4

Workshops on the Register (S. 131) at the end of 1904.

General	9
Bakehouses	7
Total number of Workshops on Register ...	16

RAINFALL IN 1904.

At South Scarle Vicarage, in the County of Notts.

Rain Gauge { Diameter of Funnel Five Inches.
Height of top { Above Ground 1ft. 4in.
Above Sea Level 52 ft.

Month.	Total Depth.	Greatest fall in 24 Hours.		Number of Days on which ·01 or more fell.
	Inches.	Depth.	Date.	
January	1·76	·32	31	16
February	2·36	·54	3	15
March	1·36	·31	7	13
April	·65	·21	15	11
May	1·95	·77	31	11
June	·87	·21	9	8
July	2·45	·86	25	9
August	2·63	1·32	17	10
September	1·24	·56	30	6
October	·23	·09	31	4
November	·56	·27	22	6
December	1·15	·31	15	10
Totals	17·21	...	...	119

E. C. Shawfield.

Lowest Rainfall for 11 years, average 21·18.

Average number of days on which rain fell 140.